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Date: October 15, 2004

By:

Sandy Reisman
Sandy Reisman

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: HANS VAN TOOR *ET AL.*

APPLICATION NO.: 10/750,457

FILED: DECEMBER 31, 2003

FOR: **LOW TRANS-FATTY ACID FAT
COMPOSITIONS; LOW-TEMPERATURE
HYDROGENATION, E.G., OF EDIBLE OILS**

EXAMINER: NOT YET ASSIGNED

ART UNIT: 1621

CONF. No: 4983

**Information Disclosure Statement Within Three Months of
Application Filing or Before First Action – 37 C.F.R. § 1.97(b)**

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

1. Timing of Submission

This information disclosure is being filed within three months of the filing date of this application or date of entry into the national stage of an international application or before the mailing date of a first Office action on the merits, whichever occurs last [37 C.F.R. § 1.97(b)]. The references listed on the enclosed Form PTO/SB/08a/b may be material to the examination of this application; the Examiner is requested to make them of record in the application.

2. Cited Information

☒ Copies of the following references are enclosed:

- ☒ All foreign patent documents and non-patent literature documents
- ☐ References marked by asterisks
- ☐ The following:

- ☐ Copies of the following references can be found in parent U.S. Application No.:
- ☐ All cited references
 - ☐ References marked by asterisks
 - ☐ The following:
- ☒ No copies of U.S. patents nor published applications are enclosed.
- ☒ The following reference is not in English. No translation or abstract has been found.
- ☐ All cited references
 - ☒ Reference marked by one asterisk
 - ☐ The following:
- ☒ The following references are not in English. For each such reference, the undersigned has enclosed (i) a translation of the reference; (ii) a copy of a communication from a foreign patent office or International Searching Authority citing the reference, (iii) a copy of a reference which appears to be an English-language counterpart, or (iv) an English-language abstract for the reference prepared by a third party. Applicant has not verified that the translation, English-language counterpart or third-party abstract is an accurate representation of the teachings of the non-English reference, though, and reserves the right to demonstrate otherwise.
- ☐ All cited references
 - ☒ References marked by two asterisks
 - ☐ The following:

3. Effect of Information Disclosure Statement (37 C.F.R. § 1.97(h))

This Information Disclosure Statement is not to be construed as a representation that: (i) a search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the cited information is, or is considered to be, material to patentability. In addition, applicant does not admit that any enclosed item of information constitutes prior art to the subject invention and specifically reserves the right to demonstrate that any such reference is not prior art.

4. Fee Payment

No fees are believed due because this Information Disclosure Statement is being filed before the mailing date of the first Office Action.

- ☐ Applicant further submits that no fee is due in light of the following certification under 37 C.F.R. § 1.97(e) (check only one):
- ☐ In accordance with 37 C.F.R. § 1.97(e)(1), the undersigned hereby states that each item of information submitted herewith was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement; or
- ☐ In accordance with 37 C.F.R. § 1.97(e)(2), the undersigned hereby states that no item of information submitted herewith was cited in a communication from a foreign patent office in a counterpart foreign application, or, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c), more than three months prior to the filing of this statement.

However, should the Commissioner determine that fees are due in order for this Information Disclosure Statement to be considered, the Commissioner is hereby authorized to charge such fees to Deposit Account No. 50-0665.

5. Patent Term Adjustment (37 C.F.R. § 1.704(d))

- ☐ The undersigned states that each item of information submitted herewith was cited in a communication from a foreign patent office in a counterpart application and that this communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this statement. 37 C.F.R. § 1.704(d).

Respectfully submitted,
Perkins Coie LLP



Edward S. Hotchkiss
Registration No. 33,904

Date: October 14, 2004

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PTO/SB/08a/b (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

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| Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | | | Complete if Known | |
| | | | | Application Number | 10/750,457-Conf. #4983 |
| | | | | Filing Date | December 31, 2003 |
| | | | | First Named Inventor | Hans Van Toor |
| | | | | Art Unit | 1621 |
| | | | | Examiner Name | Not Yet Assigned |
| Sheet | 1 | of | 8 | Attorney Docket Number | 334498005US2 |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|--------------------------|--|--------------------------------|--|---|
| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number-Kind Code ² (if known) | | | |
| | | US-2002/0016519 | 02-07-2002 | Cornelis Lok | |
| | | US-3856710 | 12-24-1974 | KARL J. MOULTON, ET AL. | |
| | | US-4088603 | 05-09-1978 | JAMES L. CARTER, ET AL. | |
| | | US-4134905 | 01-16-1979 | JOHN M. HASMAN | |
| | | US-4184982 | 01-22-1980 | WOLFGANG SCHROEDER, ET AL. | |
| | | US-4188333 | 02-12-1980 | RAYMOND M. CAHEN | |
| | | US-4209547 | 06-24-1980 | DANIEL A. SCARPIELLO, ET AL. | |
| | | US-4213882 | 07-22-1980 | HERBERT KRANICH | |
| | | US-4228088 | 10-14-1980 | JAN KUIPER | |
| | | US-4229361 | 10-21-1980 | RAYMOND MARC CAHEN | |
| | | US-4251672 | 02-17-1981 | JAMES L. CARTER | |
| | | US-4260643 | 04-07-1981 | WALTER M. COCHRAN | |
| | | US-4263225 | 04-21-1981 | JAMES L. CARTER | |
| | | US-4278609 | 07-14-1981 | JAN KUIPER | |
| | | US-4307026 | 12-22-1981 | JAN KUIPER | |
| | | US-4317748 | 03-02-1982 | JOHN TOROK | |
| | | US-4326932 | 04-27-1982 | ALBERT FROLING | |
| | | US-4356197 | 10-26-1982 | MICHAEL T. DEVITT | |
| | | US-4385001 | 05-24-1983 | BRUCE I. ROSEN | |
| | | US-4399007 | 08-16-1983 | ALBERT FROLING | |
| | | US-4424162 | 01-03-1984 | BRUCE I. ROSEN | |
| | | US-4424163 | 01-03-1984 | BRUCE I. ROSEN | |
| | | US-4479902 | 10-30-1984 | BRUCE I. ROSEN | |
| | | US-4510091 | 04-09-1985 | BRUCE I. ROSEN | |
| | | US-4510092 | 04-09-1985 | BRUCE I. ROSEN | |
| | | US-4519951 | 05-28-1985 | GAIL M. QUALEATTI | |
| | | US-4547319 | 10-15-1985 | GAIL M. QUALEATTI | |
| | | US-4584139 | 04-22-1986 | THOMAS J. GRAY | |
| | | US-4590007 | 05-20-1986 | JAMES R. TUCKER | |
| | | US-4626604 | 12-02-1986 | ANDREW G. HILES | |
| | | US-4666635 | 05-19-1987 | HELMUT KLIMMEK | |
| | | US-4670416 | 06-02-1987 | HELMUT KLIMMEK | |
| | | US-4725573 | 02-16-1988 | CAROLUS M. A. M. MESTERS | |
| | | US-4786402 | 11-22-1988 | THOMAS ANSTOCK | |
| | | US-4847016 | 07-11-1989 | GERD GOBEL | |
| | | US-4871485 | 10-03-1989 | JACOB B. RIVERS | |
| | | US-4960960 | 10-02-1990 | GEORGE E. HARRISON | |
| | | US-4973430 | 11-27-1990 | JACOB B. RIVERS | |
| | | US-5087599 | 02-11-1992 | MARTHA J. P. BOTMAN | |
| | | US-5112792 | 05-12-1992 | CORNELIS M. LOK | |
| | | US-5223470 | 06-29-1993 | HERMANUS J. BOUWMAN | |

| | | | |
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|---|---|----|---|--------------------------|------------------------|
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| Sheet | 2 | of | 8 | Attorney Docket Number | 334498005US2 |

| | | | | |
|--|------------|------------|-------------------------|--|
| | US-5225581 | 07-06-1993 | PETER N. PINTAURO | |
| | US-5298638 | 03-29-1994 | GABRIELLA J. TOENEBOEHN | |
| | US-5354877 | 10-11-1994 | ARNO BEHR | |
| | US-5360920 | 11-01-1994 | VICKI L. WEBER | |
| | US-5399792 | 03-21-1995 | GUENTHER DEMMERING | |
| | US-5463096 | 10-31-1995 | CORNELIS M. LOK | |
| | US-5492877 | 02-20-1996 | GIUSEPPE GUBITOSA | |
| | US-5498587 | 03-12-1996 | GREGOR DECKERS | |
| | US-5599376 | 02-04-1997 | JOHN D. CAMP | |
| | US-5674796 | 10-07-1997 | HO-IN LEE | |
| | US-5693835 | 12-02-1997 | HIROAKI KONISHI | |
| | US-5734070 | 03-31-1998 | THOMAS TACKE | |
| | US-5863589 | 01-26-1999 | ROBERT M. COVINGTON | |
| | US-5885643 | 03-23-1999 | DHARMA KODALI | |
| | US-5912041 | 06-15-1999 | ROBERT M. COVINGTON | |
| | US-5962711 | 10-05-1999 | MAGNUS HARROD | |
| | US-5981781 | 11-09-1999 | SUSAN KNOWLTON | |
| | US-6113976 | 09-05-2000 | RUTH G. CHIOU | |
| | US-6129789 | 10-10-2000 | HIROSHI KAWASE | |
| | US-6218556 | 04-17-2001 | PETER N. PINTAURO | |
| | US-6229032 | 05-08-2001 | PIERRE JACOBS | |
| | US-6265596 | 07-24-2001 | MAGNUS HARROD | |
| | US-6365558 | 12-27-2001 | KASTURI LAL | |
| | US-6383992 | 05-07-2002 | William Garmier | |
| | US-6391369 | 05-21-2002 | FRANK R. KINCS | |
| | US-6420322 | 07-16-2002 | DHARMA R. KODALI | |
| | US-6452029 | 09-17-2002 | GERARD HILLION | |
| | US-6544579 | 04-08-2003 | TODD LANDON | |

| FOREIGN PATENT DOCUMENTS | | | | | | |
|--------------------------|-----------------------|---|------------------|---|---|----------------|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
| | | Country Code ³ -Number ⁴ -Kind Code ⁵ (if known) | MM-DD-YYYY | | | |
| | | EP-0 021 527-B1 | 05-18-1983 | Unilever NV | | |
| | | EP-0 021 528-B1 | 03-23-1983 | Unilever NV | | |
| | | EP-0 114 704-A2 | 08-01-1984 | Unilever PLC | | |
| | | EP-0 120 122-A2 | 10-03-1984 | Olin Corporation | | |
| | | EP-0 215 563-A2 | 03-25-1987 | Davy McKee (London) Limited | | |
| | ** | EP-0 230 971-A2 | 08-05-1987 | Henkel Kommanditgesellschaft auf Aktien | | |
| | | EP-0 246 366-A1 | 11-25-1987 | The Procter & Gamble Company | | |
| | | EP-0 277 230 | 08-10-1988 | Rivers, Jacob | | |

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|---|---|----|---|--------------------------|------------------------|
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| | | | | | | |
|--------------------|----|-----------------|------------|---|--|--|
| | | EP-0 291 303 | 11-17-1988 | Unilever NV/Unilever PLC | | |
| | | EP-0 300 018-B1 | 01-25-1989 | Davy McKee (London) Limited | | |
| | | EP-0 314 044-A2 | 05-03-1989 | AIR PRODUCTS AND CHEMICALS, INC. | | |
| | | EP-0 389 158 | 09-26-1990 | UBE INDUSTRIES, LTD./CONSIGLIO NAZIONALE DELLE RICERCHE ISTITUTO DI RICERCHE SUI METODI E PROCESSI CHIMICI PER LA TRASFORMAZIONE E L'ACCUMULO | | |
| | | EP-0 398 668 | 11-22-1990 | UNICHEMA CHEMIE BV/UNILEVER NV | | |
| | | EP-0 429 995-A2 | 06-05-1991 | HELIOS OIJARNA DOMZALE d.o.o. | | |
| | ** | EP-0 472 918-A1 | 03-04-1992 | HOECHST AKTIENGESELLSCHAFT | | |
| | | EP-0 528 850-A1 | 03-03-1993 | THE PROCTER & GAMBLE COMPANY | | |
| | | EP-0 534 524-A2 | 03-31-1993 | Unilever NV/Unilever PLC | | |
| | | EP-0 569 110-A1 | 11-10-1993 | W.R. Grace & Co. Conn. | | |
| | | EP-0 572 081-A1 | 12-01-1993 | Ministero Dell 'Universita' E Della Ricerca Scientifica Tecnologica | | |
| | | EP-0 654 074-B1 | 05-24-1995 | The Proctor & Gamble Company | | |
| | | EP-0 665 287-A2 | 08-02-1995 | SNOW BRAND MILK PRODUCTS CO., LTD. | | |
| | | EP-0 674 698-A1 | 10-04-1995 | NORSK HYDRO A.S | | |
| | | EP-0 703 728-B1 | 04-03-1996 | CARGILL, INCORPORATED | | |
| | ** | EP-0 745 116-B1 | 12-04-1996 | Degussa Aktiengesellschaft | | |
| | | EP-0 757 031-A2 | 02-05-1997 | Pfizer Inc. | | |
| | | EP-0 791 041-B1 | 08-27-1997 | Poul Moller Ledel Ses-Og Ingeniørraadgivning Aps | | |
| | | EP-0 831 713-B1 | 04-01-1998 | Unilever NV/Unilever PLC | | |
| | | EP-0 917 561-B1 | 05-25-1999 | K.U. Leuven Research & Development | | |
| | | EP-0 921 728 | 06-16-1999 | Cargill, Inc. | | |
| | | EP-1 057 887-A1 | 12-06-2000 | DANISCO A/S | | |
| | | EP-1 154 854-A1 | 11-21-2001 | IMPERIAL CHEMICAL INDUSTRIES PLC | | |
| | | EP-0 114 704-B2 | 01-04-1995 | Unilever NV | | |
| | | WO-00/47320-A1 | 08-17-2000 | Imperial Chemical Industries PLC | | |
| Examiner Signature | | | | Date Considered | | |

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| Sheet | 4 | of | 8 | Attorney Docket Number | 334498005US2 |

| | | | | | | |
|--|----|-----------------|------------|---|--|--|
| | | WO-02/00815-A2 | 01-03-2002 | Renewable Lubricants, Inc. | | |
| | | WO-03/080779-A1 | 10-02-2003 | FUJI OIL EUROPE | | |
| | | WO-03/353152-A2 | 07-03-2003 | FUJI OIL EUROPE | | |
| | | WO-03/59505-A1 | 07-24-2003 | ARCHER-DANIELS-MIDLAND COMPANY | | |
| | | WO-88/00855-A1 | 02-11-1988 | RIVERS, Jacob, Boyd, Jr. | | |
| | | WO-88/05767 | 08-11-1988 | Davy McKee (London) Limited | | |
| | | WO-91/17667-A1 | 11-28-1991 | THE PROCTER & GAMBLE COMPANY | | |
| | | WO-94/03566-A1 | 02-17-1994 | THE PROCTER & GAMBLE COMPANY | | |
| | | WO-94/11472-A1 | 05-26-1994 | NORSK HYDRO A.S | | |
| | | WO-94/15478-A1 | 07-21-1994 | UNILEVER PLC UNILEVER NV | | |
| | | WO-95/00035-A1 | 01-05-1995 | E.I. DU PONT DE NEMOURS AND COMPANY | | |
| | | WO-95/00036-A1 | 01-05-1995 | E.I. DU PONT DE NEMOURS AND COMPANY COVINGTON, Robert, Melvin, Jr. UNGER, Ernie, H. | | |
| | ** | WO-95/22591-A1 | 08-24-1995 | Degussa et al. | | |
| | | WO-96/01304-A1 | 01-18-1996 | Poul Moller Ledelses - og Ingeniorradgivning APS | | |
| | | WO-97/43907-A1 | 11-27-1997 | CARGILL, INCORPORATED | | |
| | | WO-98/54275-A2 | 12-03-1998 | K. U. LEUVEN RESEARCH & DEVELOPMENT | | |

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

| NON PATENT LITERATURE DOCUMENTS | | | | |
|---------------------------------|-----------------------|---|--|----------------|
| Examiner Initials | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | | T ² |
| | | "PRICAT Catalysts for the Hydrogenation of Edible Oils," http://www.synetix.com/edibleoils/applications-edibleoils.htm , 2 pages July 25, 2003. | | |
| | | ANDERSON, J.A., et al., "Influence of the Support in the Selectivity of NI Clay Catalysts for Vegetable Oil Hydrogenation," Amer Chemical Soc.: 2485-2490 October 1993 | | |

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|--------------------|--|-----------------|--|
| Examiner Signature | | Date Considered | |
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| | | | | | |
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| | | |
|---|--|--|
| | ANDRADE, G.M.S., et al., "A Statistical Evaluation of the Effects of Process Variables During Catalytic Hydrogenation of Passion Fruit (passiflora edulis) Seed Oil," Braz. J. Chem. Eng., Vol. 15, No. 1, ISSN 0104-6632, 12 pages, March 1998. | |
| | BALAKOS, M.W., et al., "Catalyst characteristics and performance in edible oil hydrogenation," CATALYSIS TODAY 35 (4): 415-425 APR 11 1997. | |
| | BAYER, E., et al., "Selective Hydrogenation of Oleic Acid-Rich Oils in Aqueous-Medium by a PVP-Ni-Catalyst," Fett Wissenschaft Technologie-Fat Science Technology, March 1992, pp. 79-82, 94 (3), Konradin Industrieverlag GMBH, Germany. | |
| | BEHR, A., "Selective Hydrogenation of Multi-Unsaturated Fatty-Acids in the Liquid-Phase," Fett Wissenschaft Technologie-Fat Science Technology, Jan. 1993, pp. 2-11, 95(1), Konradin Industrieverlag GMBH, Germany. | |
| | BERNAS, A., et al., "Influence of Hydrogen Preactivation on the Linoleic Acid Isomerization Properties of Supported Ruthenium Catalyst," 2003, pp. 3-10, Vol. 78, No. 1, Budapest. | |
| | BHERING, D. et al., "Preparation of High Loading Silica-Supported Nickel Catalyst: Analysis of the Reduction Step," Applied Catalysis A: General, 2002, pp. 55-64, 234 (1). | |
| * | BREHM, A., et al., "Use of Platinum-Loaded Y-Zeolites as Catalysts for Hydrogenation of Liquid and Low-Melting Fats," Chemie Ingenieur Technik, Dec. 1989, pp. 963-964, Vol. 61 (12). | |
| | CHOO, H.P., et al., "Activity and selectivity of noble metal colloids for the hydrogenation of polyunsaturated soybean oil," J MOL CATAL A-CHEM 191 (1): 113-121 JAN 2 2003. | |
| | CHOO, H.P., et al., "Hydrogenation of palm olein catalyzed by polymer stabilized Pt colloids," Journal of Molecular Catalysis A: Chemical 165: 127-134 2001. | |
| | CHUNG, C.S. et al., "Catalyst Preparation and Support Effects for Triglyceride Hydrogenation over Supported Nickel," J Chem. Tech. Biotechnol, 1987, pp. 15-30, Vol. 38, Great Britain. | |
| | DROZDOWSKI, B., et al., "Effect of rapeseed oil hydrogenation conditions on trans isomers formation," Eur. J. Lipid Sci. Technol. 102: 642-645 2000. | |
| | FERRERAS, J.F., et al., "Influence of the Clay and the Nickel Content in Catalysts for Vegetable Oil Hydrogenation," React. Kinet. Catal. Lett., Vol. 53, No. 1: 1-6 1994. | |
| | FILLION, B. et al. "Gas-liquid mass-transfer and hydrodynamic parameters in a soybean oil hydrogenation process under industrial conditions," IND ENG CHEM RES 39 (7): 2157-2168 JUL 2000. | |
| | FILLION, B., et al., "Kinetics, Gas-Liquid Mass Transfer, and Modeling of the Soybean Oil Hydrogenation Process," Ind. Eng. Chem. Res.: 697-709 2002. | |
| | FURLONG, K., "The Low Trans Challenge", Oils and Fats International, July 2004, pp. 30-31. | |
| | GONZALES-MARCOS, M.P., et al., "Nickel on Silica Systems. Surface Features and Their Relationship with Support, Preparation Procedure and Nickel Content," APPL CATAL A-GEN 162 (1-2): 269-280 NOV 18 1997. | |
| | GONZALEZ-MARCOS, M.P., et al., Effect of Thermal Treatments on Surface Chemical Distribution and Catalyst Activity in Nickel on Silica Systems," J MOL CATAL A-CHEM 120 (1-3): 185-196, JUN 13, 1997. | |
| | GONZALEZ-MARCOS, M.P., et al., "Control of the Product Distribution in the Hydrogenation of Vegetable Oils over Nickel on Silica Catalysts," The Canadian Journal of Chemical Engineering, Vol. 76: 927-935 Oct. 1998. | |
| | GRAU, R. J., et al., "The Cup-and-Cap Reactor: A Device To Eliminate Induction Times in Mechanically Agitated Slurry Reactors Operated with Fine Catalyst Particles," Ing. Eng. Chem. Res., Vol. 26, No. 1, 18-22, 1987. | |

| | | | |
|--------------------|--|-----------------|--|
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| | HERRERO, J., et al., "Catalytic Behaviour of Rhodium Supported on Palygorskite, Silica and Titania in Oil Hydrogenation," <i>Applied Catalysis A: General</i> , 86: 37-43, 1992. | |
| | HSU, N, et al., "Catalytic Behavior of Palladium in the Hydrogenation of Edible Oils," <i>J AM OIL CHEM SOC</i> , 65 (3): 349-356, Mar 1988. | |
| | ILINITCH, O.M., "Nanosize Palladium Loaded Catalytic Membrane: Preparation and Cis-Trans Selectivity in Hydrogenation of Sunflower Oil," <i>STUD SURF SCI CATAL</i> 118: 55-61 1998. | |
| | JART, A., "The magnetic field as an additional selectivity parameter in fat hydrogenation," <i>J AM OIL CHEM SOC</i> 74 (5): 615-617 MAY 1997. | |
| | JOVANOVIC, D., et al., "Nickel hydrogenation catalyst for tallow hydrogenation and for the selective hydrogenation of sunflower seed oil and soybean oil," <i>CATAL TODAY</i> 43 (1-2): 21-28 AUG 13 1998. | |
| | JOVANOVIC, D., et al., "The influence of the isomerization reactions on the soybean oil hydrogenation process," <i>J MOL CATAL A-CHEM</i> 159 (2): 353-357, 2000. | |
| | JU, J.W., et al., "Effects of alcohol type and amounts on conjugated linoleic acid formation during catalytic transfer hydrogenation of soybean oil," <i>J FOOD SCI</i> 68 (6): 1915-1922 AUG 2003. | |
| | JU, J.W., et al., "Formation of conjugated linoleic acids in soybean oil during hydrogenation with a nickel catalyst as affected by sulfur addition," <i>J AGR FOOD CHEM</i> 51 (10): 3144-3149, MAY 7, 2003. | |
| | JUNG, M.O., et al., "CLA Formation in Oils During Hydrogenation Process as Affected by Catalyst Types, Catalyst Contents, Hydrogen Pressure, and Oil Species," <i>JAOCS</i> , Vol. 79, no. 5: 501-510 2002. | |
| | JUNG, M.O., et al., "Effects of Temperature and Agitation Rate on the Formation of Conjugated Linoleic Acids in Soybean Oil during Hydrogenation Process," <i>J. Agric. Food Chem.</i> : 3010-3016 2001. | |
| | KING, J., et al., "Hydrogenation of Vegetable Oils Using Mixtures of Supercritical Carbon Dioxide and Hydrogen," <i>JAOCS</i> , Vol. 78 no. 2 107-113 2001. | |
| | KITAYAMA, Y., et al., "Catalytic Hydrogenation of Linoleic Acid over Platinum-Group Metals Supported on Alumina," <i>JAOCS</i> , Vol. 74, no. 5: 525-529 1997. | |
| | KOSEOGLU, S.S., et al., "Recent Advances in Canola Oil Hydrogenations," <i>J AM OIL CHEM SOC</i> 67 (1): 39-47 JAN 1990. | |
| | LIST, G.R., et al., "Hydrogenation of Soybean Oil Triglycerides: Effect of Pressure on Selectivity," <i>JAOCS</i> , Vol. 77, no. 3: 311-314 2000. | |
| | M.B. Macher, A. Holmqvist, "Hydrogenation of palm oil in near-critical and supercritical propane," <i>EUR J LIPID SCI TECH</i> 103 (2): 81-84 FEB 2001. | |
| | MANGNUS G., "Hydrogenation of Oils at Reduced TFA Content", <i>Oils and Fats International</i> , July 2004, pp. 33-35. | |
| | MONDAL, K., et al., "Mediator-assisted electrochemical hydrogenation of soybean oil," <i>Chemical Engineering Science</i> : 2643-2656 2003. | |
| | NAGLIC, M., et al., "Kinetics of Catalytic Transfer Hydrogenation of some Vegetable Oils," <i>JAOCS</i> , Vol. 75, no. 5: 629-633 1998. | |
| | NELE, M., et al., "Preparation of high loading silica supported nickel catalyst: simultaneous analysis of the precipitation and aging steps," <i>APPL CATAL A-GEN</i> 178 (2): 177-189 MAR 22 1999. | |
| | PARRY, J.D., et al., "The Hydrogenation of Triglycerides Using Supported Alloy Catalysts. I. Silica-Supported Ni-Ag Catalysts," <i>J CHEM TECHNOL BIOT</i> 50 (1): 67-80 1991. | |

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| Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | | Complete if Known | | |
| | | | Application Number | 10/750,457-Conf. #4983 | |
| | | | Filing Date | December 31, 2003 | |
| | | | First Named Inventor | Hans Van Toor | |
| | | | Art Unit | 1621 | |
| | | | Examiner Name | Not Yet Assigned | |
| Sheet | 7 | of | 8 | Attorney Docket Number | 334498005US2 |

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| | PARRY, J.D., et al., "The Hydrogenation of Triglycerides Using Supported Alloy Catalysts. II. Silica-Supported Pd-Cu Catalysts," J CHEM TECHNOL BIOT 50 (1): 81-90 1991. | |
| | RAVASIO, N., et al., "Environmental friendly lubricants through selective hydrogenation of rapeseed oil over supported copper catalysts," Applied Catalysis A: General 233: 1-6 2002. | |
| | SANTACESARIA, E., et al., "Role of mass transfer and kinetics in the hydrogenation of rapeseed oil on a supported palladium catalyst," Applied Catalysis A: General 116: 269-294 1994. | |
| | SCHOON, N.H., "Is a Low Trans Content Attainable by Conventional Hydrogenation of Vegetable Oils?", Oils-Fats-Lipids, Proceedings of the 21st World Congress of the International Society for Fat Research (ISF), The Hague: 155-158 October 1995. | |
| | SIMON, P., et al., "A Simplified Horiuti-Polanyi Scheme for the Hydrogenation of Triacylglycerols," JAOCS, Vol. 68, no. 2: 74-78 February 1991. | |
| | SMIDOVNIK, A., et al., "Catalytic Transfer Hydrogenation of Soybean Oil," JAOCS, Vol. 69, no. 5: 405-409 May 1992. | |
| | SMIDOVNIK, A., et al., "Kinetics of Catalytic Transfer Hydrogenation of Soybean Oil," JAOCS, Vol. 71, no. 5: 507-511 May 1994. | |
| | SUH, D.J., et al., "Nickel-alumina composite aerogels as liquid-phase hydrogenation catalysts," J NON-CRYST SOLIDS 285 (1-3): 309-316 JUN 1 2001. | |
| | TAKEYA, K. et al., "Hydrogenation of Soybean Oil by Loop Reactor Equipped with Venturi Nozzle," J JPN SOC FOOD SCI 42 (4): 237-247 1995. | |
| | TAKEYA, K., et al., "Influence of Nitrogen Gas on Hydrogenation of Corn Oil .2. Novel Method of Edible oil Hydrogenation," J JPN SOC FOOD SCI 43 (4): 417-422 1996. | |
| | TAKEYA, K., et al., "Novel Method of Edible Oil Hydrogenation .1. Influence of Inert-Gases on Hydrogenation of Soybean Oil," J JPN SOC FOOD SCI 42 (6): 410-418 1995. | |
| | TAKEYA, K., et al., "Soybean oil hydrogenation using hydrogen storage alloy .3. Novel method of edible oil hydrogenation," J JPN SOC FOOD SCI 43 (5): 502-509 1996. | |
| | THOMSON, A., et al., "Silica-Supported Alloy Catalysts for Triglyceride Hydrogenation: The preparation and Properties fo Pd-Ag and Pd-Ni Systems," J CHEM TECHNOL BIOT 37 (4): 257-270 1987. | |
| | VELDSINK, J., "Selective Hydrogenation of Sunflower Seed Oil in a Three-Phase Catalytic Membrane Reactor," JAOCS, Vol. 78, no. 5: 443-446 2001. | |
| | VELDSINK, J.W., et al., "Heterogeneous hydrogenation of vegetable oils: A literature review," CATAL REV 39 (3): 253-318 1997. | |
| | WANG, Y.Q., et al., "A natural seed oil rich in omega6 and omega3 fatty acids," http://www.unl.ac.uk/ibchn/publication/pns01_wang_02.pdf , 1 page. | |
| | WARNER, K., et al., "Electrochemical Hydrogenation of Edible Oils in a Solid Polymer Electrolyte Reactor. Sensory and Compositional Characteristics of Low Trans Soybean Oils," JAOCS, Vol. 77, no. 10 1113-1117 2000. | |
| | WEIDONG, A., et al., "The Electrochemical Hydrogenation of Edible Oils in a Solid Polymer Electrolyte Reactor. I. Reactor Design and Operation," JAOCS, Vol. 75, no. 8: 917-925 1998. | |
| | WEIDONG, A., et al., "The Electrochemical Hydrogenation of Edible Oils in a Solid Polymer Electrolyte Reactor. II. Hydrogenation Selectivity Studies, JAOCS, Vol. 76, no. 2: 215-222 1999. | |
| | WRIGHT, A.J., et al., "Cis selectivity of mixed catalyst systems in canola oil hydrogenation," Food Research International: 797-804 2003. | |

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| | | | | First Named Inventor | Hans Van Toor |
| | | | | Art Unit | 1621 |
| | | | | Examiner Name | Not Yet Assigned |
| Sheet | 8 | of | 8 | Attorney Docket Number | 334498005US2 |

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| | | YUSEM, G., et al., "Electrocatalytic hydrogenation of soybean oil in a radial flow-through Raney nickel powder reactor," Journal of Applied Electrochemistry: 989-997 1996. | |
| | | YUSEM, G.J., et al., "The Electrocatalytic Hydrogenation of Soybean Oil," JAOCS, Vol. 69, no. 5: 399-404 May 1992. | |

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